

Message Text

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ACTION EUR-25

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TRI-TAC AGENCY FT MONMOUTH NJ

C O N F I D E N T I A L USNATO 0371

E.O. 11652: GDS-: 12-31-80

TAGS: ETEL, MARR, NATO

SUBJECT: MODULATION FOR NATO SATCOM PHASE III

1. NICSMA IS COMPLETING STUDY ON TYPE OF MODULATION TO BE CHOSEN FOR NATO SATCOM PHASE III GROUND TERMINALS (SGT). WE EXPECT STUDY WILL RECOMMEND DIGITAL MODE OF OPERATION.

2. DDG NICSMA (GEN LOTZ) TELLS US NICSMA PREFERS CONTINUOUS VARIABLE SLOPE DELTA (CVSD) MODULATION OVER PULSE CODE MODULATION (PCM) FOR SAME REASONS US CHOSE CVSD FOR TRI-TAC COMMUNICATION SYSTEM. BEFORE CVSD CAN BE SELECTED, NICSMA MUST BE SATISFIED THAT NATO SECURE VOICE EQUIPMENT (FRG ELCROVOX) CAN WORK THROUGH THIS TYPE MODULATION. ACCORDING TO LOTZ, GERMANS SATISFACTORILY TESTED ELCROVOX USING PCM. NICSMA NEEDS DATA WHETHER ELCROVOX CAN ALSO USE CVSD AND IS SEEKING US ASSISTANCE.

3. US IS USING CVSD IN CONNECTION WITH TRI-TAC, A COMMUNICATIONS SYSTEM WE WOULD LIKE TO NATO TO ADOPT. IF NICSMA SPECIFIES CVSD MODULATION FOR NATO SGTS, US WILL HAVE FOOT IN DOOR FOR FUTURE SALES AND GREATER POSSIBILITY OF STANDARDIZATION OF NICS AND US COMMUNICATION SYSTEMS.

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4. WE ARE AWARE THAT US IS STUDYING USE OF ELCROVOX WITH TRI-TAC. IF US STUDIES CONFIRM SATISFACTORY OPERATION USING CVSD, URGE KNOWLEDGEABLE EXPERT BE MADE AVAILABLE TO DISCUSS RESULTS OF STUDIES WITH NICSMA DURING WEEK OF FEB 11. REQUEST

GUIDANCE.
RUMSFELD

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